

L Number	Hits	Search Text	DB	Time stamp
5	33	(video with game) and (statistics with tracking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:48
6	50	semantic with tracking	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:44
7	1	((video with game) and (statistics with tracking)) and (semantic with tracking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:44
8	1	(semantic with tracking) and (statistics with tracking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:45
9	4	(semantic with tracking) and (statis\$ with tracking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:46
10	0	(463/3).ccls. and (statis\$ with tracking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:47
11	0	(463/3).ccls. and ((video with game) and (statistics with tracking))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:47
12	124	(463/3).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:47
13	0	((463/3).ccls.) and (semantic with tracking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:47
14	1	(707/104.1).ccls. and ((video with game) and (statistics with tracking))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:48
15	45	(video with game) and (statis\$ with tracking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:48
16	1	((video with game) and (statis\$ with tracking)) and (semantic with tracking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:48
17	2	(707/104.1).ccls. and ((video with game) and (statis\$ with tracking))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:58
18	6	Game with statistics and video and rule and tracking and semantic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 13:59

19	6	Game with statistics and video and rule and tracking and semantic\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:17
20	2	("6148092").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:11
21	1	("6721454").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:11
22	0	("6721654").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:11
23	1	("5963203").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:12
24	1		USPAT	2004/04/03 14:14
25	1		USPAT	2004/04/03 14:14
26	1		USPAT	2004/04/03 14:14
27	1		USPAT	2004/04/03 14:15
28	1		USPAT	2004/04/03 14:15
29	237	Game with statistics and video and rule	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:17
30	1290	Game and statistics and video and rule	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:18
31	352	Game and statistics and video and rule and tracking and semantic\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:18
32	2	(Game and statistics and video and rule and tracking and semantic\$) and (semantic with tracking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:18
33	139	(Game and statistics and video and rule and tracking and semantic\$) and (statistic\$ with tracking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:19
34	2	((Game and statistics and video and rule and tracking and semantic\$) and (statistic\$ with tracking)) and (rule with tracking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:19
36	2	((Game and statistics and video and rule and tracking and semantic\$) and (statistic\$ with tracking)) and (sport\$3 with statis\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:20
35	11	((Game and statistics and video and rule and tracking and semantic\$) and (statistic\$ with tracking)) and (rule with statis\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/03 14:24

37	1	("5963203").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/03 14:25
38	5	((Game and statistics and video and rule and tracking and semantic\$) and (statistic\$ with tracking)) and (video with game)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/03 14:30
39	139	((Game and statistics and video and rule and tracking and semantic\$) and (statistic\$ with tracking)) and (video and game)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/03 14:30
40	2	((Game and statistics and video and rule and tracking and semantic\$) and (statistic\$ with tracking)) and (video and game)) and (input with game)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/03 14:31
41	10	((Game and statistics and video and rule and tracking and semantic\$) and (statistic\$ with tracking)) and (video and game)) and (input with video)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/03 14:32
42	7	((video with game) and (statistics with tracking)) and semantic\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/03 14:32



[Web](#) [Images](#) [Groups](#) [News](#) [Froogle^{New!}](#) [more »](#)

video game tracking semantic sporting statistic

[Advanced Search](#)

[Preferences](#)

Web Results 1 - 10 of about 34 for video game tracking semantic sporting statistics operator player realtime

[fm-news] Newsletter for Thursday, April 17th 2003

... It keeps track of the last 30 days, and provides a ... runs under Unix-like OSes (using SDL for video and OSS for audio) and the GP32 handheld gaming device. ...
info.cccone.at/NEWS/msg01608.html - 96k - [Cached](#) - [Similar pages](#)

Sponsored Links

[Play RealArcade Games](#)
 Download RealArcade & Play 200+ games on your computer today!
www.RealArcade.com

[fm-news] Newsletter for Tuesday, July 23rd 2002

... filename and by the artist/track from the ... calculators for the online game Utopia. ... net/projects/utopiacalculator/ - % - %080] - Video Disk Recorder ...
info.cccone.at/NEWS/msg01357.html - 92k - [Cached](#) - [Similar pages](#)

Game Tracker

Great Selection at Low Prices
 Fast Shipping Available - Order Now
www.DicksSportingGoods.com

[See your message here...](#)

Neohapsis Archives - Freshmeat News - #0017 - [fm-news] Newsletter ...

... It requires a hardware-accelerated video card that ... Software Development :: Bug Tracking Software Development :: Quality ... treated as NULL in game detail screens. ...
archives.neohapsis.com/archives/apps/freshmeat/2003-04/0017.html - 101k - [Cached](#) - [Similar pages](#)

[PDF] ADAPTING HUMAN PERFORMANCE FOR HUMANOID ROBOTS " we heard about ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... On an orthogonal track, I am exploring how to ... University of Maryland where I'm Director, Semantic Web and ... he watched some of the Gravity Games), biking and ...
www.cs.brown.edu/publications/conduit/conduit_v10n2.pdf - [Similar pages](#)

[PDF] POSTER ABSTRACTS 13 Annual Canadian Conference on Intelligent ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... as possible, eg, with a standard video camera. ... step in many higher level vision algorithms, such as tracking. ... learned for a specific player the game could then ...
www.precarn.ca/events/IS2003/posterwin/file_Poster_Abstracts_Directory.PDF - [Similar pages](#)

Elektronisk Dansk AI.Meddelser 79 Juni 02 Dette nummer af EDAIM er ...

... htm May 30, 2002: Inside Track - Programs pick ... Still, he foresees video speech animation as an effective ... html May 21, 2002: Games Machines Play ...
www.daimi.au.dk/~brian/EDAIM79text - 101k - [Cached](#) - [Similar pages](#)

[PDF] Virtual Reality Software and Technology

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... head and hand tracking in VR games, simulations, animations ... One uses video cameras which deliver either conventional or ... Figure 7. Tracking motion Emering et al.
 ...
www.miralab.unige.ch/papers/100.pdf - [Similar pages](#)

[PDF] Fi na IP ro gr am Fi na IP ro gr am Fi na IP ro gr am Fi na IP ro ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... 53 Friday - Track IV ... Compression Beyond Wavelets, • Image and Video Quality Assessment, • Image-Based Rendering, • Semantic Characterization of ...
www.vcip2003.ch/documents/vcip_brochure.pdf - [Similar pages](#)

[University of Maryland Computer Science Technical Reports](#)

... data, users should be able to **track** the motion ... and user enthusiasm more commonly seen with **video games**. ... and facilitates the presentation of **semantic** information ...

www.cs.umd.edu/TRs/authors/Ben_Shneiderman.html - 101k - [Cached](#) - [Similar pages](#)

[\[PDF\] SRU Number 113 November 2002](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... corporate email; make calls; and access news, weather, **sports**, and other ... Sony incorporates ScanSoft speech recognition in PlayStation game29 ART ...

www.intervoice-brite.com/about/pressroom/inthenews/pdfs/SRU_113_11-2002.pdf - [Similar pages](#)

Goooogle ►

Result Page: [1](#) [2](#) [3](#) [4](#) [Next](#)

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2004 Google


[Web](#) [Images](#) [Groups](#) [News](#) [Froogle^{New!}](#) [more »](#)
 [Search](#) [Advanced Search](#) [Preferences](#)

Web Results 1 - 10 of about 15 for **sporting statistics game semantic tracking "sporting event"**. (0.23 sec)

JOS Statistics - Recent Comments

... **JOS Statistics - Recent Comments** (Comments added for week ending ... like that for an athlete in a **sporting event**. ... And what about **game companies** like Sierra or EA? ...
www.usabilitymustdie.com/jos/WW_Weekly_Comments_03_Aug_2003.html - 101k - [Cached](#) - [Similar pages](#)

Sponsored Links

[Game Tracker](#)

Great Selection at Low Prices
 Fast Shipping Available - Order Now
www.DicksSportingGoods.com

[See your message here...](#)

EMERGIC . org: Emerging Technologies Archives

... Are there **statistics** available of the number of companies ... system allowing viewers to watch a **sporting event** from multiple ... view at will while the **game** is being ...
www.emergic.org/archives/emerging_technologies/ - 101k - [Cached](#) - [Similar pages](#)

[PDF] 1992 - 1996 THE COLLECTION BOOK ONE

File Format: PDF/Adobe Acrobat - [View as HTML](#)
 ... be easily understood. Information turned into visual form can be grasped faster than verbal descriptions of **statistics**. That's ...
www.coldtype.net/Assets/pdfs/Best.RR.pdf - [Similar pages](#)

CRI Newsletter Feb 2003

... **Statistics** for reaction rates vary widely depending whether they ... keep track of rules or scores during a **sporting event**. ... computer in the form of a **game**, and the ...
www.crossroadsinstitute.org/newsletter/feb03.html - 101k - [Cached](#) - [Similar pages](#)

[PDF] SDT075 All pages

File Format: PDF/Adobe Acrobat
 ... t enforce the standard, they start playing the 'embrace and extend' **game**. ... Version 2.0 of Aardvark, the bug-tracking applications from Red Gate Software Ltd ...
www.sdtimes.com/download/images/SDTimes075.pdf - [Similar pages](#)

[PDF] Bulletin Cover15,2

File Format: PDF/Adobe Acrobat - [View as HTML](#)
 ... 40 Methods and **Statistics**
kinpubs.uoregon.edu/MFPBulletin15,2.pdf - [Similar pages](#)

[PDF] 2 Computer Applications

File Format: PDF/Adobe Acrobat - [View as HTML](#)
 Page 1. 1 Page 2. 2 Computer Applications TABLE OF CONTENTS Acknowledgments.
www.mcps.k12.md.us/curriculum/compsci/CompApps.pdf - [Similar pages](#)

[PDF] Deliverable 3.2 Interaction Models and Mixed Reality Interfaces ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)
 ... TV based around a collaborative **game show** ... without the use of complex **tracking** and anthropomorphic ... graphics in attempts to attract favourable viewing **statistics**. ...
www.nada.kth.se/erena/pdf/D3_2.pdf - [Similar pages](#)

[PDF] C:\My Documents\MyFiles\Editor\Vegas01\PAMS-6-2-vegas01.wpd

File Format: PDF/Adobe Acrobat
 Page 1. Allied Academies International Conference Las Vegas, Nevada October 10-13,

2001 Academy of Marketing Studies Proceedings ...
www.alliedacademies.org/pdf/vegas01/pams-6-2-vegas01.pdf - [Similar pages](#)

[PDF] [Robust Dominant Color Region Detection with Applications to Sports ...](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... type and shot length features, and **game** summaries are ... In a specific **sporting event**, variations in the domi ... a new algorithm that learns the **statistics** of the ...
www.ece.rochester.edu/~ekin/papers/JPapers/ekin-tekalpCVIU.pdf - Supplemental Result - [Similar pages](#)

Google ►

Result Page: [1](#) [2](#) [Next](#)

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2004 Google



[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#)^{New!} [more »](#)

structure analysis of soccer video with detect

[Advanced Search](#)
[Preferences](#)

The following words are very common and were not included in your search: **of with**.
[\[details\]](#)

Web Results 1 - 10 of about 4,330 for **structure analysis of soccer video with detect** . (0.23 seconds)

[PDF] [Algorithms and System for High-Level Structure Analysis and Event ...](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... together for analyzing the **structure** of the ... detecting significant events, statistical **analysis**, or subject ... **Soccer video analysis** system

In this section, we ...

www.ctr.columbia.edu/papers_advent/01/report01_sfchang.pdf -

[Similar pages](#)

[PDF] [video content filtering and abstraction](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... Real-Time Sports **Video Parsing Detect** and classify ... Buffer Buffer Demux/ Decoder **Structure Analysis** User Server ... U. 17

Recurrent semantic units in **soccer video**? ...

www.ctr.columbia.edu/~sfchang/papers/talk-vlbv01-distribute-color.pdf - [Similar pages](#)

[More results from www.ctr.columbia.edu]

Sponsored Links

[Soccer Videos](#)

Visit SoccerROM to find hundreds of soccer videos, DVDs, and more!
www.SoccerROM.com

[Sports Video Analysis](#)

Sports Technology of the Year
 All Sports - Used by Champions
www.dartfish.com

[Essays on The Analysis of](#)

Search our database of 101,000 essays for The Analysis of
ExampleEssays.com

[See your message here...](#)

[PDF] [A Unified Framework for Semantic Content Analysis in Sports Video](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... is characterized by a relatively loose temporal **structure**. ... works of sports **video content analysis** are about ... developed a **soccer** game parsing system to identify ...
charybdis.mit.csu.edu.au/icita/2004/papers/96-2.pdf - [Similar pages](#)

[Citations: Detecting Semantic Events in Soccer Games: Towards A ...](#)

... In [23], for example, presents a method that tries to **detect** the complete set of semantic events, which may ... **Structure Analysis Of Soccer Video With Hidden** ...
citeseer.ist.psu.edu/context/2067912/0 - 11k - [Cached](#) - [Similar pages](#)

[Citations: Automatic parsing of tv **soccer** programs - Gong, Sin ...](#)

... Algorithms And System For Segmentation And **Structure Analysis** or baseball pitch) detection, motion **analysis** and object ... parsing of TV **soccer** programs", In ...
citeseer.ist.psu.edu/context/76145/0 - 33k - [Cached](#) - [Similar pages](#)

[More results from citeseer.ist.psu.edu]

[Trajectory-based ball detection and tracking with applications to ...](#)

... not only improve play-break **analysis** and high-level semantic event detection, but also **detect** the basic ... **Structure analysis of soccer video** with hidden ...
portal.acm.org/citation.cfm?

id=957018&jmp=indexterms&dl=portal&id=ACM&CFID=11111111&C... - [Similar pages](#)

[PDF] [Real-Time Goal-Mouth Detection In MPEG Soccer Video](#)

File Format: PDF/Adobe Acrobat

... mainly on generic content **structure analysis** [1], domain ... 3], highlight generation [4], tactics **analysis** [2,5 ... goal-mouth in MPEG **soccer video**, which comprising of ...
[portal.acm.org/ft_gateway.cfm?](http://portal.acm.org/ft_gateway.cfm)

id=957079&type=pdf&dl=portal&id=ACM&CFID=11111111&CFTOK... - [Similar pages](#)

[More results from portal.acm.org]

[PDF] Automatic Soccer Video Analysis and SummarizationFile Format: PDF/Adobe Acrobat - [View as HTML](#)

... Audio features, alone, are proposed to **detect** hits and generate baseball ... a new framework for automatic, real-time **soccer video analysis** and summarization by ... www.ece.rochester.edu/users/tekalp/papers/ip_ekin4157.pdf - [Similar pages](#)

[PDF] Video Analysis and Summarization at Structural and Semantic LevelsFile Format: PDF/Adobe Acrobat - [View as HTML](#)

... of the shots, we can **detect** them independent ... in automatic content filtering for **soccer** fans and ... the broader background of **video structure analysis** and content ... ame2.asu.edu/faculty/hs/pubs/sundaram-chang-book-chapter.pdf - [Similar pages](#)

[PDF] Sports Highlight Detection from Keyword Sequences Using HMMFile Format: PDF/Adobe Acrobat - [View as HTML](#)

... Representation Frame- work for **Semantic Sports Video Analysis**", In Proc ... Chang, SF., Divakaran, A., Sun, H., "Structure Analysis of Soccer Video with Hidden ... www.ntu.edu.sg/home/aseschng/PAPER_PS/ICME04_Jinjun.pdf - [Similar pages](#)

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#) [Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2004 Google



[Web](#) [Images](#) [Groups](#) [News](#) [Froogle^{New!}](#) [more »](#)

[Advanced Search](#)
[Preferences](#)

Web Results 1 - 10 of about 46 for **american football video statistic semantic tracking** . (0.22 seconds)

[PDF] A Video Indexing and Browsing Environment

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... boundary detection, shot representation, and pseudo-semantic labeling ... have found that the **x 2 statistic** gives the ... using DC coefficients of MPEG **video** for only ...

www.ai.mit.edu/people/jimmylin/papers/ChenJY99.pdf - [Similar pages](#)

Sponsored Links

Sports Statistics

Detailed matchups for today's games
Rankings, Fantasy, Message Board
www.statswiz.com

Search SPIE Papers - Publications - SPIE Web

... possible distribution models using the Kolmogorov-Smirnov **statistic**.
... Event detection and summarization in **American football** broadcast **video** Li, Baoxin ...

www.spie.org/scripts/toc.pl?ab=&journal=SPIE.&volume=4676 - 76k - [Cached](#) - [Similar pages](#)

442data Football Archive

Huge online archive of soccer results from around the world
www.442data.co.uk

[See your message here...](#)

James C. Ford Bibliography Page

... such as the lines on a **football** field. ... Journal of the American Society for Information Science, 41(6) ... Database Systems II, chapter Automatic **Video** Indexing and ...

www.cs.dartmouth.edu/~jford/jcfbib.html - 101k - [Cached](#) - [Similar pages](#)

**misc{A, key = "A", note = "Return to top
" }** ...

... as the lines on a **football** field. } } @Article ... Analysis", journal = "Journal of the American Society for ... year = "1992", chapter = "Automatic **Video** Indexing and ...
www.cs.dartmouth.edu/~jford/bib/jcf.bib - 101k - [Cached](#) - [Similar pages](#)

Year 2001 News Archive; October - December

... Opponent teams in **football** games would call the ... training at STRICOM." >>>
Military, **Video** Games, Simulation ... Portraits of Great **American** Scientists was written ...

www.aaai.org/AITopics/html/archvB4.html - 101k - [Cached](#) - [Similar pages](#)

[PDF] Semantic Annotation and Indexing of News and Sports Videos

File Format: PDF/Adobe Acrobat

... I is determined according to the **statistic** of the ... basketball [15, 16, 10], baseball [17], **American football**. ... hereafter previous work related to soccer **videos**. ...

www.springerlink.com/index/YXE3B56WW466CW9R.pdf - [Similar pages](#)

[PDF] Cognitive Vision Research Roadmap

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... 28 4.3 **Video** Surveillance ... A Description Logic has also been proposed as the inference engine for the **Semantic Web**, an effort to turn web information into a ...
www.ecvision.info/research_planning/ ECVisionRoadMapv2.5.pdf - [Similar pages](#)

Images: Friday, March 19, 2004

... 1.85 american widescreen. ... rylic Thomas Anshutz kris hamburger taty akbar 945545 ver **videos**. ... jant Pireo della Francesca 1400 aqua, carson **football** intime 3agram ...
www.twexus.com/subpage_82/?f=sym - 57k - [Cached](#) - [Similar pages](#)

Images: Friday, March 19, 2004

... kos irooni programs Sacha Dean Biyan sey 1.85 american widescreen sole ... Blume

Alfred Sander tibet moremoms sex **video** Richard Avedon ... nickcom nova football
polish ...
www.twexus.com/subpage_66/?f=sea - 57k - [Cached](#) - [Similar pages](#)
[More results from www.twexus.com]

[PDF] [How Knowledge Workers Use the Web](#)

File Format: PDF/Adobe Acrobat

... Results of Pairwise Tests F **statistic** Browsing Communicating ... such as science
fiction, gardening and **football** sites ... audio, and a couple of events involved **video**. ...
portal.acm.org/ft_gateway.cfm?id=503418&type=pdf&dl=portal&id=ACM&CFID=11111111&CFTOK... - [Similar pages](#)

Goooogle ►

Result Page: [1](#) [2](#) [3](#) [4](#) [Next](#)

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2004 Google